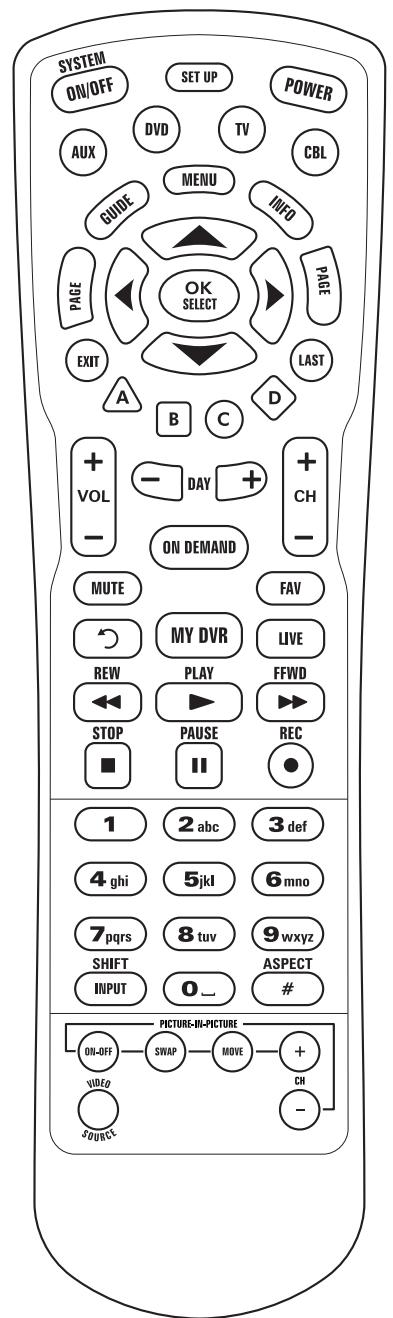




Charter OCAP 4-Device Remote Control



Universal Electronics, Inc.
www.urcsupport.com

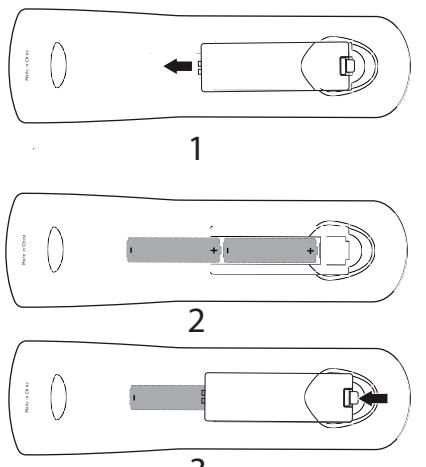
INTRODUCTION

The C4000 Remote Control by Universal Electronics is our latest generation universal remote control. Their sophisticated technology allows you to consolidate up to four of your original home entertainment remote controls into one easy-to-use product. Please follow the instructions detailed in this manual to set up the unit and then start enjoying your new remote control and cable service.

INSTALLING BATTERIES

1. On the back of the remote control, push the tab and lift off the battery cover.
2. Locate the two (2) enclosed AA batteries. Match the + and - marks with those in the battery case, then insert them.
3. Align the cover's keys with the case's holes and press the cover back into place. The tab should click when the cover is locked.
4. Test the remote control by pressing any mode key (e.g., **TV**). If the batteries are inserted correctly, the LED (red light) blinks once.

NOTE: When batteries need replacement, the remote control ceases to operate. Replace the batteries and the unit will be restored to its full functionality, complete with your favorite settings.



PROGRAMMING DEVICE CONTROL

The C4000 Remote Control is preprogrammed to operate the cable box (converter) provided by your cable system, an RCA TV, a Toshiba DVD player, and a Pioneer audio receiver. To control devices other than the default brands, perform the following steps; otherwise skip this section.

NOTES: For control of a Combo device (for example, a TV/VCR combo), skip this section and perform the instructions on "Setting Up a Combo Unit". Also refer to "Function Key Chart" on this page to find out which devices can be programmed onto each device key.

FUNCTION KEY CHART

System ON/OFF	Use SYSTEM ON/OFF to control the Master Power macro.
 MENU	Displays the Applications menu.
 GUIDE	Displays the on-screen program guide.
PAGE UP/DOWN	Use PAGE + (or PAGE -) to page up (or page down) through menu screens and the program guide.
 EXIT	To exit menus, guides, and on-screen applications.
DAY +/-	Skip forward or backward one day in the program guide.
VOL +/-	Raises and lowers audio levels.
MUTE	Press MUTE once to turn the sound off or on.
MY DVR	Replay the previous 15 seconds of a program.
INPUT	Displays a list of programs you have recorded.
PIP-ON/OFF	Press SHIFT to access additional cable features. In TV , DVD , AUX use INPUT to cycle through the available inputs on the selected device.
PIP SWAP	Use PIP SWAP to switch images and sound between the main and window pictures.
VIDEO SOURCE	Use to select the video source options on your cable converter.
PIP MOVE, PIP +/-	Use PIP MOVE to move the window picture to different positions in the main picture. Use PIP CH+ (or CH-) to select the next higher (or lower) PIP channel.
ASPECT	Alters the aspect ratio (4:3 or 16:9) configuration of set top box.

SEARCHING FOR YOUR CODE

If your home-entertainment device does not respond to the C4000 Remote Control after trying all of the codes listed for your brand, or if your brand is not listed at all, try searching for your code.

NOTE: Use the following device code digits to control a specific device:

0 = Cable (dedicated to cable only)

1 = TV

2 = DVD/VCR

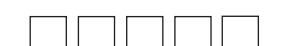
3 = Audio

For example, to search for a code for your TV:

1. Turn on your TV.
2. On the remote control, press **TV** once; it blinks once. Then press and hold **SET UP** until the TV key blinks twice.
3. Enter **9 9 3**. The **TV** key blinks twice.
4. Press **1** (the device code digit for your TV). The **TV** key blinks twice. Aim the remote control at the TV and press **POWER** once.
5. Press and release the **CH+** key continuously, then stop when the TV turns off.

NOTE: If the device does not have a **POWER** key, press the **>** (Play) key. Repeat steps 1 through 4 for each device you want the remote control to operate. For future reference, write down each working device code in the boxes below.

AUX Code



Device Type: _____

DVD Code



Device Type: _____

CBL Code



Device Type: _____

TV Code



Device Type: _____

SETTING UP A COMBO UNIT

If you own a combo unit such as a TV/DVD Combo or a TV/VCR Combo, you need to follow special steps to set it up. Perform the following instructions to control combo device:

1. For a TV/DVD Combo, turn on your TV/DVD Combo and insert a DVD. (For a TV/VCR Combo, insert a videocassette).
2. On the remote control, press **POWER** once; it blinks once. Then press and hold **SET UP** until the **DVD** key blinks twice.
3. Use the "Setup Codes for Televisions" starting on page 2 to locate the brand name and enter the first five-digit code for your combo device (for example, TV/VCR). If you perform this procedure correctly, the **DVD** key blinks twice.

NOTE: If the **DVD** key did not blink twice after entering the code's last digit, repeat steps 2 through 3 and try entering the same code again. If you've located a setup code that works for your combo device (for example, a TV/DVD Combo) and a separate TV code is also listed, you'll need to program this code into the remote control to access volume control (See "Programming Device Control").

LOCKING CHANNEL CONTROL

By default, the remote control's channel-control capabilities are locked to the cable converter. The affected keys are 1 through 0, **CH+**, **CH-**, and **LAST**. This guarantees that you do not inadvertently change a channel on your TV or VCR. If you can de-activate this feature to allow full access to these keys in the TV and VCR modes.

NOTE: If the **DVD** key did not blink twice after entering the code's last digit, repeat steps 2 through 3 and try entering the same code again.

If you've located a setup code that works for your combo device (for example, a TV/DVD Combo) and a separate TV code is also listed, you'll need to program this code into the remote control to access volume control (See "Programming Device Control").

LOCKING CHANNEL CONTROL TO CBL

1. On the remote control, press **CBL** (or **STB**) once; it blinks once. Then press and hold **SET UP** until the **CBL** (or **STB**) key blinks twice.

2. Enter **9 7 3**. The **CBL** (or **STB**) key blinks twice.

3. Press **CH+** once. The **CBL** (or **STB**) key blinks four times.

Now, the remote control provides TV and VCR channel-control capabilities while in the TV or VCR mode.

RESTORING ALL KEYMOVES IN A SINGLE MODE

1. On the remote control, press **CBL** (or **STB**) once; it blinks once. Then press and hold **SET UP** until the **CBL** (or **STB**) key blinks twice.

2. Enter **9 7 3**. The **CBL** (or **STB**) key blinks twice.

3. Press **CH+** once. The **CBL** key blinks once.

4. Press **CBL** once. The **CBL** key blinks twice.

Now, regardless of what mode you select, the channel keys only change channels on your cable converter.

CHANGING VOLUME LOCK

1. On the remote control, press the **MODE** key once.

2. Press and hold **SET UP** until the last-selected mode key blinks twice (for example, **TV**).

3. Enter **9 9 4**. The mode key blinks twice.

Press and release the device key twice. For example, to clear all Keymove keys for the **TV** mode, press and release **CH+** twice.

RESTORING A SINGLE KEYMOVE KEY

1. On the remote control, press the **MODE** key once.

2. Press and hold **SET UP** until the last-selected mode key blinks twice (for example, **TV**).

3. Enter **9 9 4**. The mode key blinks twice.

Press and release the device key twice. For example, to clear all Keymove keys for the **TV** mode, press and release **CH+** twice.

CHANGING VOLUME LOCK

Volume Lock allows you to control the volume through the device identified as having your primary speaker(s), regardless of which mode you are using. On the C4000 Remote Control, Global Volume Lock is set to **TV**, so you can control TV volume while in the **AUX**, **DVD**, **TV** or **CBL** mode. You can perform Individual Volume Unlock on a selected device to set its volume control for independent operation.

CLEARING CUSTOM PROGRAMMING

The C4000 Remote Control contains a *Custom Programming Reset* program. You can use it to remove all custom programming.

IMPORTANT: Executing this programming sequence will erase all custom programmed settings such as Volume Lock, Channel Control Lock and Keymove. However, your device programming remains the same.

1. On the remote control, press and hold **SET UP** until the last-selected device key blinks twice.
2. Enter **9 8 0**. The last-selected device key blinks twice, pauses, and blinks twice again to confirm that all custom programming is cleared.

TROUBLESHOOTING

PROBLEM: Device key does not blink when you press a key.

SOLUTION: Replace the batteries with two (2) new **AA** batteries (See "Installing Batteries").

PROBLEM: Device key blinks when you press a key, but home entertainment device does not respond.

SOLUTION: Make sure you are aiming the remote control at your home entertainment device and that you are within 15 feet of the device you are trying to control.

PROBLEM: The remote control does not control home entertainment devices or commands are not performing properly.

SOLUTION: Try all listed codes for the device brand being set up. Make sure all devices can be operated with an infrared remote control.

PROBLEM: TV/VCR Combo does not respond properly.

SOLUTION: Use the **TV** codes for your brand. Some combo units may require both a TV code and a VCR code for full operation.

PROBLEM: No volume on a second TV.

SOLUTION: Follow instructions under "Changing Volume Lock".

PROBLEM: Remote control does not turn on Sony or Sharp TV/VCR Combo.

SOLUTION: For power on, these products require programming TV codes on the remote control. For Sony, use TV code 10000 and VCR code 20032. For Sharp, use TV code 10093 and VCR code 20048.

FCC NOTICE

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

ADDITIONAL INFORMATION

This product does not have any user-serviceable parts. Opening the case, except for the battery cover, may cause permanent damage to your C4000 Remote Control. For help via the Internet, visit us at: www.urcsupport.com

UNLOCKING ALL VOLUME CONTROL (Global Volume Unlock)

NOTE: Performing these instructions sets independent volume control for all programmed devices.

1. On the remote control, press and hold **SET UP** until the last-selected device key blinks twice.
2. Enter **9 9 3**. The last-selected device key blinks twice.
3. Press **VOL+** once. The last-selected device key blinks four times.
4. Repeat steps 1 through 3 for each device you want volume to be unlocked.

Now, after you select a device that has volume unlocked (e.g., **CBL**), pressing **VOL+**, **VOL-**, or **MUTE**, controls only that device's volume.

LOCKING VOLUME CONTROL TO ONE MODE (Global Volume Lock)

1. On the remote control, press and hold **SET UP** until the last-selected device key blinks twice.
2. Enter **9 9 3**. The last-selected device key blinks twice.
3. Press **VOL+** once. The last-selected device key blinks twice.
4. Repeat steps 1 through 3 for each device you want volume to be locked.

Now, when you press **VOL+**, **VOL-**, or **MUTE**, the volume of the selected device (e.g., **TV**) is controlled regardless of mode.

USING THE SYSTEM ON/OFF KEY

1. Press **SYSTEM ON/OFF** once. Your devices turn on or off in the pre-programmed sequence.

NOTE: Only devices you have programmed the remote to control turn on or off sequentially. For example, if you have programmed control of your TV, but not your DVD player, **SYSTEM ON/OFF** does not turn your DVD player on or off.

USING KEYMOVER

The C4000 Control includes a *Keymover* feature that allows you to map (or copy) keys from one mode (i.e., source mode) to another mode (i.e., destination mode).

PROGRAMMING KEYMOVER

For example, if your DVD player does not have volume control, you can map those keys (

Setup Codes for Televisions (LCD)

Goby	11538, 11634, 12306, 12314, 12315, 12338, 12340, 12344, 12345, 12348, 12350
Curtis	12352, 12466
Dell	11264, 11080, 1178, 11863
Digital Lifestyles	11765
DirectTV	11501
Dish Network	11948
Dynex	11780, 12049, 12184
Element	11687, 12183
Emerson	11864, 11394, 11963
Emprex	11422, 11546, 11765
Envision	10813, 11365, 11589, 12014, 12087
Funai	10171
GE	12359
GFM	12167
Go Video	10886
Haier	11748, 11749, 11753, 12309
Hanns.G	11783
Hannspree	11348, 11351, 11745, 11783
Harper	11206
Hisense	11314, 11660, 12098, 12355
Hitachi	11643
Humax	11501
Hyundai	10849
iLlo	11286, 11603, 11684, 11990
Initial	11603, 11990
Insignia	11564, 11204, 11517, 11710, 11780, 12002, 12049, 12417
IX	10877
JVC	11601, 11774, 12271
LG	11423, 10856, 11178, 11768, 11993, 12358, 12424
Magnavox	11866, 10802, 1198, 11365, 11990, 12372
Marantz	10855
Maxent	11755, 11714
Memorex	11670, 11892
Mintek	11603, 11990
Mitsubishi	11250
NEC	11797
Nexus Electronics	12183
Norcent	11365, 11589, 12110
Norwood Micro	11286
NuVision	11657, 12158
Olevia	11610, 11144, 11240, 11331
Panasonic	11480, 10650, 11941
PARK	12104
Petters	11523
Philips	11454, 11744, 11806, 11856, 11867, 12372
Pioneer	11260
Planar	11496
Polaroid	11523, 11276, 11341, 11498, 11538, 11687, 11766, 12063, 12119, 12120, 12121, 12425
Prima	11785
Proscan	12147, 12256
Protron	11320
Proview	11401
Punect	11546
RCA	10047, 11781, 11958, 12187, 12247, 12434
RevolutionHD	11623
Runc	11629
Sampo	11755
Samsung	10812, 10766, 10814, 12051
Sansui	11409, 11670, 11892
Sanyo	11142
Sceptre	10878, 11217, 11360, 11599
Scott	11711
Sharp	10818, 10093, 11602, 12360
Sherwood	11399
Sole	11623
Sony	10810, 11685
Sova	11320
Soyo	11520, 11546, 11826, 11828
SunBrite	11420, 12337
Superscan	10864
SVA	10870
Sylvania	11864, 10171, 11271, 11314, 11394, 11886
Symphonic	10171
Syntax	11610, 1144, 11240, 11331
Tatung	11286
Techview	10847
Toshiba	11524, 10822, 10845, 11656, 12006
TruTech	11723
US Logic	11286
Venturer	11865
Vidikron	11629
Viewsonic	10857, 10864, 10885, 11330, 11578, 11627, 11640, 11742, 1204, 12087
Viore	11684, 11811, 12104, 12352
Vizio	11758, 10864, 10885, 11756
Westinghouse	11712, 10885, 10889, 10890, 11282, 11300, 11577, 12293
Wyse	11365
Zenith	11265

Setup Codes for TV/DVD Combos Controlled by the TV

Advent	11933
Akai	11675, 11935, 12232
Apex Digital	11991
Audioxox	11937, 11951, 11952
Axion	11937
Broksonic	11935
Citizen	11935
Coby	11538, 12315, 12340, 12343, 12344, 12347, 12350, 12351
Curtis	12466
Disney	12152
Dynex	11810, 12049, 12184
Electrohome	11670
Emerson	11864, 11394, 11963
ESA	11963
Funai	11963
GFM	11963
Haier	11753, 12309
Hitachi	11960
iLlo	11990
Initial	11990
Insignia	11963, 12002, 12049, 12417

Setup Codes for Televisions (LCD)

Jensen	11933
JVC	12271
LG	11423, 11993
Magnavox	11866, 11963, 11990, 12372
Maxent	11714
Memorex	11670
Mintek	11990
Panasonic	11941
Polaroid	11532, 11538, 11766, 11991, 12002
Prima	11933
Proscan	12256
RCA	11948, 11958, 12002, 12187
Samsung	11903
Sansui	11670, 11935
Sharp	10818, 12360
Sova	11952
Sylvania	11864, 11394, 11886, 11963
Toshiba	11524, 11935, 12006
TruTech	12066
Venturer	11865
Viore	11811, 12104, 12352
Westinghouse	11300

Setup Codes for TV/DVD Combos Controlled by the DVD

Akai	20143, 20695, 22439
Audioxox	21071, 21121, 21122
Axion	21071
Broksonic	20695
Citizen	20695
Coby	22538
Curtis	22660
Dynex	22255, 22388
Electrohome	21607
Go Vision	21071
Haier	2099, 22500
iLlo	21472
Initial	21472
Insignia	21013, 22255, 22620
JVC	22472
LG	21526, 22485
Magnavox	21472, 22229
Memorex	21607
Mintek	21472
Panasonic	21490
Polaroid	21013, 22110, 22140
Proscan	22450
RCA	21013, 21193, 22392
Sansui	20695, 21607
Sharp	22561
Sova	21122
Sylvania	20675, 22212
Toshiba	20695, 21606
TruTech	21210
Venturer	22195
Viore	22580
Westinghouse	22513

Setup Codes for Audio Receivers

Aiwa	31405, 31388, 31641
Akai	31512
Alco	31390
AMC	31077
Amphion Media Works	31563, 31615
Apex Digital	31257, 31430, 31774
Arcam	31189
AudioTronic	31189
Audiovox	31390, 31627
B & K	30820, 30840
Bose	31229, 30639, 31253, 31629, 31841, 31933
Boston Acoustics	32162
Brix	31602
Cambridge Soundworks	31370, 31477
Carver	31189
Classic	31352
Criterion	31420
Curtis	31420
Dynex	31247
Electrohome	32026
Fisher	31801
Go Vision	31420
Haier	2099, 22500
Integra	31298, 31320, 31805
iSymphony	32018, 32258, 32442
JBL	31306
Jensen	30797
JVC	22472
Kenwood	31205
KLH	31390, 31412, 31428
Koss	31366, 31497
Lasonic	31798
Lenox	31437
LG	31293, 31524, 32197, 32284
Liquid Video	31497
Magnavox	31418, 3169, 31514
Marantz	31189, 31269, 31289, 32114
McIntosh	31289
MCS	30346
Micromega	31189
Mitsubishi	31393
Myryad	31189
Nakamichi	31313
Norcent	31389
Nova	31389
Onkyo	30842, 31298, 31320, 31531, 31805, 32451
Optimus	31023, 30670, 30797, 31074
Orion	20479
Panasonic	20162, 21262
Penny	20240
Quasar	20162, 21037, 21262
Regent	31437
Rio	31362, 31869
Saba	31519
Samsung	31295, 31304, 31500, 31868
Sangean	31888, 32165
Sansui	30346
Sharp	31286